To: see form PCT/ISA/220			PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)				
	icant's or agent's file reference form PCT/ISA/220		FOR FURTHER ACTION See paragraph 2 below				
1	national application No. T/US2004/019609	International filing date (c 18.06.2004	(day/month/year) Priority date (day/month/year) 01.08.2003				
1	national Patent Classification (IPC) or bo		and IPC				
App	icant W CORNING CORPORATION		Lang They	1 - 105 E/1/02 2 1/160			
1.	 Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability □ Box No. IV Lack of unity of invention 						
 ☑ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industria applicability; citations and explanations supporting such statement ☐ Box No. VI Certain documents cited ☐ Box No. VII Certain defects in the international application ☐ Box No. VIII Certain observations on the international application 							
2.	If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.						
3.	For further details, see notes to F	Form PCT/ISA/220.					

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

10/566788 International application No. PCT/US2004/019609

IAP9 Rec'd PCT/PTO 31 JAN 2006

	_					
_	Box N	o. I Basis of the opinion				
1.		/ith regard to the language , this opinion has been established on the basis of the international application in le language in which it was filed, unless otherwise indicated under this item.				
	☐ This opinion has been established on the basis of a translation from the original language into the followir language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).					
2.		egard to any nucleotide and/or amino acid sequence disclosed in the international application and eary to the claimed invention, this opinion has been established on the basis of:				
	a. type of material:					
		a sequence listing				
		table(s) related to the sequence listing				
b. format of material:						
		in written format				
		in computer readable form				
	c. time	of filing/furnishing:				
		contained in the international application as filed.				
		filed together with the international application in computer readable form.				
		furnished subsequently to this Authority for the purposes of search.				
3.	ha Co	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional opies is identical to that in the application as filed or does not go beyond the application as filed, as oppopriate, were furnished.				
4.	Additio	onal comments:				

	Вох	No. II	Priority						
1.	. The following document has not been furnished:								
☐ copy of the earlier application whose priority has been claimed (Rule 43 <i>bis</i> .1 and 66.7(a))).		
			translation of the e	arlier appli	cation who	se priority has b	een claimed (Rule	43 <i>bis</i> .1 and 6	6.7(b)).
		Conse	quently it has not be heless been establi	een possibl shed on the	e to conside assumpti	der the validity of on that the relev	f the priority claim. ant date is the cla	This opinion himed priority da	as ite.
2.		This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.							
3.		It has not been possible to consider the validity of the priority claim because a copy of the priority document was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.							
4.	Addi	itional d	observations, if nec	essary:					
			,	•					
		No. V	Reasoned state	ment und	er Rule 43	bis.1(a)(i) with	regard to novelty	, inventive ste	p or
	indu	ustrial	applicability; citat	ions and e	xplanatio	ns supporting s	such statement		
1.	Stat	ement							
	Nov	elty (N))	Yes:	Claims	9,18			
				No:	Claims	1-8,10-17			
	Inve	entive s	tep (IS)	Yes:	Claims				
				No:	Claims	1-18			
	Indu	ıstrial a	pplicability (IA)	Yes:	Claims	1-18			
				No:	Claims				
2.	Cita	tions a	nd explanations						

see separate sheet

Re Item V.

1). State of the art

The following documents are referred to in this communication:

D1: US-4626556A (1986-12-02) D2: US-6340735B1 (2002-01-22) D3: US-5183846A (1993-02-02) D4: EP-0447611A (1991-09-25)

Document D1 discloses (see claims 1-7; column 8, lines 14-19 and example 17 with reference to examples 3, 13 and 14) a coating on aluminum plate of organopoly-silsesquioxane ladder polymer having alkyl, alkenyl and/or aryl groups, but no hydroxy groups.

Document D2 discloses (see claim 1; column 2, lines 57-67; column 6, lines 1-17 and example 2) a poly(phenylsilsesquioxane) ladder polymer coated on a silicon wafer having deposited metallic aluminum. The coating has high planarity, is 0.1 to 10 micron thick and has dielectric constant of about 2.0 to about 2.6

Document D3 discloses (see claims 1, 2 and examples 5-7, 17 and 18) a silicon ladder polymer with alkyl, aryl, vinyl as well as silanol groups, coated on Al-clad Si wafer.

Document D4 discloses (the references in parenthesis applying to this document) a planarizing silsesquioxane copolymer coating having aminoalkoxysilane monomer, to be applied on metallic substrates.

2). Art. 33(1)(2) PCT - Novelty

As can be seen from the above, the documents D1-D4 disclose in combination all technical features defined in independent claims 1 and 10 as well as in dependent claims 2-8 and 11-17. Hence the subject-matter of these claims is not new (Article 33(2) PCT).

Formally, dependent claims 9 and 18 could be considered to be novel.

3). Art. 33(1)(3) PCT - Inventive step

It is however unlikely that the subject-matter of dependent claims 9 and 18 is based on an inventive step because their subject-matter seems to be obvious in view of cited state of the art and the general knowledge of the one skilled in the art. Moreover, it appears to be a commercially available siloxane resin, see example 4 of the application.